WO 89-6 Pain-full

October 23, 1989

Sally Couch Raven Services Corp. 2200 Sixth Ave., Suite 519 Seattle, WA 98121

Dear Sally:

Per your request, work authorization 89-6 has been decreased by \$1,335 due to waiving of summer flume monitoring, for a new authorization total of \$4,005. In addition, the revised total WBE commitment is \$600; MBE is \$1,470.

If you have any questions, please call me.

Cordially,

Cheryl Tenney
Executive Assistant
Environmental Affairs Division

CT:em

cc: O'Quinn Tenney EAD File

89-6

. BUDGET

Quarterly Costs: Startup

- ---

Field: Raven Project Manager - 5 @\$47/hour

Office:

Project Manager - 4 @ \$45/hour WBE Assistance - 5 @ \$40/hour Raven 15 percent WBE Carrying Cost

Other Costs:

MBE PCB Analysis - 7 @\$70/each Raven 15 percent Carrying Cost 3/2350 Sample Jars Chemicals and supplies Van Travel - 30 miles @ .25/mi.

QUARTERLY BUDGET:

TOTAL BUDGET (quarterly x 4)

"1989 Quarterly Monitoring of the Georgetown Flume"

490.00 V.112 52.50 10.00 V.107 19.00 u 2.50 1.314.00

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V 133

98:00 V.107

235.00 V.107

180.00 V. 11 2

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200.00

5,356.00 (Edance 8 97350)
5340.00 - 451350
4,005 - 451350

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Will only sufare 3 gts. I work ,- reduce

- 3 -



Voucher # 106 5/1/89 Contract #3840

TO:

SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE:

CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167 WORK ORDER #89-6:

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89		Startup		\$ 90 /
		FIELD: Raven Project Manager	5/ \$47/hour	235 -
		OTHER: Sample jars Chemicals, supplies Travel, van	30/\$.25/mile	10 19
		TOTAL	(\$ 361.50

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SCL 04347

Continuation Page Voucher # 106 Contract #3840 Work Order #89-6 Budgeted: \$5,256

	laimed for nis Billing Period	Cumulative Claimed Through This Billing Period
Startup	\$ 90.00	. \$ 90.00
FIELD: Raven Project Manage	er 235.00	235.00
OTHER: Sample jars Chemicals, supplies Travel, van	10.00 19.00 7.50	10.00 19.00 7.50
TOTAL[S]	\$ 361.50	\$ 361.50

Voucher # 112 6/1/89 Contract #3840

TO:

SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE:

CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

"1989 QUARTERLY MONITORING OF THE GEORGETOWN FLUME" WORK ORDER #89-6:

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89		OFFICE: Raven Project Mgr WBE Assistance Raven 15% Carrying OTHER: MBE PCB Analysis Raven 15% Carrying	7/ \$70 / ea.	\$180.00 200.00 30.00 490.00 52.50 \$932.50 \$932.50
				BOV. 120 WO. OR ACCT A.1. 3 PE 1220 APPROVED Charact D. Janney STAFF OK CT FY BATE BILLING ENCLUMB. # C86014 D

SCL 04349

Continuation Page
Voucher # 112
Contract #3840
Work Order #89-6
Budgeted: \$5,256
Laladiterrar

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	-

	laimed for his Billing Period	Cumulative Claimed Through This Billing Period
Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manag	ger 0	235.00
OFFICE: Raven Project Manag WBE Assistance Raven 15% Carrying	200.00	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% Carrying Sample jars Chemicals, supplies Travel, van	0	490.00 52.50 13.50 10.00 19.00 7.50
TOTAL[S]- 1ST QTR	\$ ~ 952.50 973.50	\$1,314.00 1335 ⁰⁰



Voucher #130 10/2/89 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of <u>Order</u>	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89	9/19/89	STARTUP FIELD: Raven Project Mgr	5/ \$47 / hr	\$ 90.00
		OTHER: Sample jars Chemicals, supplies Travel, van	30/\$.25/mile	10.00 19.00 7.50
		TOTAL		\$361.50

DIN. 120

W.O. OR ALGT 70468-0|

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P.E 1220

APPROVED Chary D. Scarrey

STAFF OK CT (CD)

DATE 1023 189

ENCLUMB. # C860641 D

SCL 04351

Continuation Page Voucher # 130 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: \$84 Rev. Budget:\$5,340

		• •
Claimed Costs	Claimed for This Billing Period	Cumulative Claimed Through This Billing Period
SPRING MONITORING: Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager	0	235.00
OFFICE: Raven Project Manager WBE Assistance Raven 15% Carrying Cost	180.00 200.00 30.00	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% Carrying Cost Sample jars O	490.00 73.50 10.00	490.00 73.50
Chemicals, supplies Travel, van	0	19.00 7.50
TOTAL BILLED	\$ 973.50	\$1,335.00
SUMMER MONITORING:		
Deleted, per Roger Taylor		
FALL MONITORING:		
Startup FIELD:	\$ 90.00	\$ 90.00
Raven Project Manager	235.00	235.00
OTHER: Sample jars Chemicals, supplies Travel, van	10.00 19.00 7.50	10.00 19.00 7.50
TOTAL BILLED	\$ 361.50	\$1,696.50

SCL 04352



Voucher #133 11/1/89 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided Quant/Cost/Unit	Amount
3/23/89	10/31/89	OFFICE: Raven Project Manager 4/ \$45 /hr WBE Assistance 5/ \$40 /hr Raven 15% WBE Carrying Cost	\$180 200 30
		OTHER: MBE PCB Analysis 7/\$70 /ea. Raven 15% MBE Carrying Cost	490 73.50
		TOTAL	\$973.50

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W.O. OR ACCT 10468-01
B.I. 31
P.E. 120
APPROVED C. 20 Lang
DATE 1122189

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SCL 04353

Continuation Page
Voucher # 133
Contract #3840
Work Order #89-6
Budgeted: \$5,256
Amendment: (1,251)
Rev. Budget: \$4,005

Claimed Costs	Claimed for This Billing Period	Cumulative Claimed Through This Billing Period
SPRING MONITORING: Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager OFFICE:	0	235.00
Raven Project Manager WBE Assistance Raven 15% Carrying Cost OTHER:	0 0 0	180.00 200.00 30.00
MBE PCB Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies	0 0 0 0	490.00 73.50 10.00 19.00
Travel, van TOTAL BILLED	0 0	7.50 \$1,335.00
SUMMER MONITORING: Deleted, po	er Roger Taylor	
FALL MONITORING:		
Startup FIELD:	\$ O	\$ 90.00
Raven Project Manager OFFICE:	0	235.00
Raven Project Manager WBE Assistance Raven 15% WBE Carrying Cost OTHER:	180 200 30	180.00 200.00 30.00
MBE PCB Analysis Raven 15% MBE Carrying Cost Sample jars Chemicals, supplies	490 73.50 0	490.00 73.50 10.00 19.00
Travel, van TOTAL BILLED	0 \$ 973.50	7.50 \$1,335.00
	ф 3/3.3U	-
GRAND TOTAL		\$2,670.00 -



Voucher #145 1/2/90 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount	
3/23/89	12/13/89	STARTUP FIELD:	1 / \$90 / ea	\$ 90	_
		Raven Project Manage OTHER COSTS:	r 5 / \$47 /hr	235	
		Sample jars Chemicals, supplies		10 19	
		Travel, van	30 / .25 / mile	7.5	0
		TOTAL		\$ 361.5	0 6

SCL 04355

Continuation Page Voucher # 145 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

<u>Claimed-Costs</u>	Claimed for This Billing	<u>Period</u>	Cumulative Claimed Through This Billing Period
SPRING MONITORING: Startup	\$	0	\$ 90.00
FIELD: Raven Project Manager OFFICE:		0	235.00
Raven Project Manager WBE Assistance Raven 15% Carrying Cost		0 0 0	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies Travel, van		0 0 0 0	490.00 73.50 10.00 19.00 7.50
TOTAL BILLED	\$	0	\$1,335.00
<pre>SUMMER MONITORING: Deleted, p FALL MONITORING:</pre>	er Roger Taylo	r	
	^	•	4 00 00
Startup FIELD:	\$	0	\$ 90.00
Raven Project Manager OFFICE:	•	0,	235.00
Raven Project Manager WBE Assistance Raven 15% WBE Carrying Cost OTHER:		0 0 0	180.00 200.00 30.00
MBE PCB Analysis Raven 15% MBE Carrying Cost Sample jars Chemicals, supplies Travel, van		0 0 0 0	490.00 73.50 10.00 19.00
TOTAL BILLED	\$	0	\$1,335.00

Continuation Page Voucher # 145 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

WINTER MONITORING:

Startup	\$ 90	\$ 90.00
FIELD: Raven Project Manager	235	235.00
OTHER: Sample jars Chemicals, supplies Travel, van	10 19 <u>7.50</u>	10.00 19.00 7.50
TOTAL BILLED	\$ 361.50	\$ 361.50
GRAND TOTAL		\$3,031.50



Voucher #152 2/1/90 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89		OTHER COSTS: MBE Analysis Raven 15% Carrying Co	7/\$70/each st	\$490.00 / 73.50
		TOTAL		\$563.50

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B.I. (3)
P.E. (30)
APPROVED (30)
STAFF OK (30)
BATE (28)
ENCLIMB # (28)
ENCLIMB # (28)

SCL 04358

Continuation Page Voucher # 152 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

<u>Claimed Costs</u>	Claimed for This Billing Per	Cumulative Claimed Through iod This Billing Period
<u>SPRING MONITORING:</u> Startup	\$ 0	\$ 90.00
FIELD: Raven Project Manager OFFICE:	0	235.00
Raven Project Manager WBE Assistance Raven 15% Carrying Cost	0 0 0	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies	0 0 0 0	490.00 73.50 10.00 19.00
Travel, van TOTAL BILLED	\$ 0	
SUMMER MONITORING: Deleted, po	er Roger Taylor	42,555.00
Startup FIELD:	\$ 0	\$ 90.00
Raven Project Manager OFFICE:	0	235.00
Raven Project Manager WBE Assistance Raven 15% WBE Carrying Cost	0 0 0	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% MBE Carrying Cost Sample jars Chemicals, supplies Travel, van	0 0 0 0	490.00 73.50 10.00 19.00 7.50
TOTAL BILLED	\$ 0	\$1,335.00

Continuation Page Voucher # 152 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

WINTER MONITORING:

Startup FIELD:	\$ 0	\$ 90.00
Raven Project Manager OTHER:	0	235.00
MBE Analysis Raven 15% Carrying Cost Sample jars Chemicals, supplies Travel, van	490.00 73.50 0 0	490.00 73.50 10.00 19.00 7.50
TOTAL BILLED	\$ 563.50	\$ 925.00
GRAND TOTAL		\$3,595.00



Voucher #159 3/1/90 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89		OFFICE: Raven Project Manage WBE Project Assistan Raven 15% WBE Carryi	ce 5/\$40/hour	\$ 90.00 200.00 30-99
		TOTAL		\$320.00

APPROVED STAFF OK ENCUMB. #

SCL 04361

Continuation Page
Voucher # 159
Contract #3840
Work Order #89-6
Budgeted: \$5,256
Amendment: (1,251)
Rev. Budget: \$4,005

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Claimed Costs	Claimed for This Billing	Period	Cumulative Claimed Through This Billing Period
<u>SPRING MONITORING:</u> Startup	\$	0	\$ 90.00
FIELD: Raven Project Manager OFFICE:		0	235.00
Raven Project Manager WBE Assistance		0	180.00 200.00
Raven 15% Carrying Cost OTHER:		Ö	30.00
MBE PCB Analysis Raven 15% Carrying Cost		0	490.00 73.50
Sample jars		Ō	10.00
Chemicals, supplies		0	19.00
Travel, van		0	7.50
TOTAL BILLED	\$	0	\$1,335.00
SUMMER MONITORING: Deleted, po	er Roger Taylo	r	
FALL MONITORING:	. nogeuj.e	•	
Startup FIELD:	\$	0	\$ 90.00
Raven Project Manager OFFICE:		0	235.00
Raven Project Manager		0	180.00
WBE Assistance		0	200.00
Raven 15% WBE Carrying Cost		0	30.00
OTHER: MBE PCB Analysis		0	490.00
Raven 15% MBE Carrying Cost		Ö	73.50
Sample jars		ŏ	10.00
Chemicals, supplies		0	19.00
Travel, van		0	7.50
TOTAL BILLED	\$	0	\$1,335.00

Continuation Page Voucher # 159 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

WINTER MONITORING:

Startup FIELD:	\$ O	\$ 90.00
Raven Project Manager OTHER:	0	235.00
Raven Project Manager WBE Assistance	90 200	90.00 200.00
Raven 15% WBE Carrying Cost MBE Analysis	30 0	30.00 490.00
Raven 15% Carrying Cost	0	73.50
Sample jars Chemicals, supplies	0	10.00 19.00
Travel, van	0	7.50
TOTAL BILLED	\$ 320.	\$1,245.00
GRAND TOTAL		\$3,915.00

Voucher #180 7/2/90 Contract #3840

TO: SEATTLE CITY LIGHT

OFFICE OF ENVIRONMENTAL AFFAIRS

1015 THIRD AVENUE

SEATTLE, WASHINGTON 98104

ATTENTION: CHERYL TENNEY

RE: CONSULTING SERVICE CONTRACT FOR SAMPLING & ANALYTICAL SERVICES

PROJECT # C86-167

WORK ORDER #89-6: "1989 QUARTERLY MONITORING OF THE

GEORGETOWN FLUME"

Date of Order	Date of Delivery/ Service	Service[s] Provided	Quant/Cost/Unit	Amount
3/23/89		OFFICE: Raven Project Manager	2/\$45/hour	\$ 90.00
		TOTAL		\$ 90.00

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SCL 04364

Continuation Page
Voucher # 180
Contract #3840
Work Order #89-6
Budgeted: \$5,256
Amendment: (1,251)
Rev. Budget: \$4,005

Claimed Costs	Claimed for This Billing	Period	Cumulative Claimed Through This Billing Period
<u>SPRING MONITORING:</u> Startup	\$	0	\$ 90.00
FIELD: Raven Project Manager OFFICE:		0	235.00
Raven Project Manager WBE Assistance Raven 15% Carrying Cost		0 0 0	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% Carrying Cost		0 0 0	490.00 73.50
Sample jars Chemicals, supplies Travel, van		0 0	10.00 19.00 7.50
TOTAL BILLED	\$	0	\$1,335.00
SUMMER MONITORING: Deleted, pe	r Roger Taylo	r	
FALL MONITORING:			
Startup FIELD:	\$	0	\$ 90.00
Raven Project Manager OFFICE:		0	235.00
Raven Project Manager WBE Assistance Raven 15% WBE Carrying Cost		0 0 0	180.00 200.00 30.00
OTHER: MBE PCB Analysis Raven 15% MBE Carrying Cost Sample jars		0 0 0	490.00 73.50
Chemicals, supplies Travel, van		0	10.00 19.00 7.50
TOTAL BILLED	\$	0	\$1,335.00

Continuation Page Voucher # 180 Contract #3840 Work Order #89-6 Budgeted: \$5,256 Amendment: (1,251) Rev. Budget: \$4,005

WINTER MONITORING:

Startup FIELD:	\$	0	\$ 90.00
Raven Project Manager OTHER:		0	235.00
Raven Project Manager WBE Assistance		90 0	180.00 200.00
Raven 15% WBE Carrying Cost MBE Analysis		0	30.00 490.00
Raven 15% Carrying Cost Sample jars		0	73.50
Chemicals, supplies Travel, van		0	10.00 19.00
TOTAL BILLED		<u> </u>	7.50
GRAND TOTAL	•	90.	\$1,335.00
GRAND IVIAL			\$4,005.00